⇒AND THE € Petrolea OIL INDUSTRY,

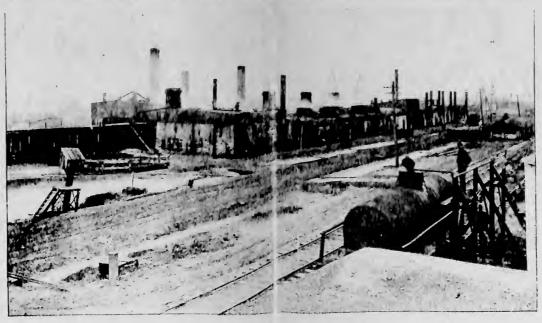
THROUGH THE (AMERA.



in parliament, on the platform and around the firesides of our Canadian homes from and "walking beams" and the strong the firesides of our Canadian homes from the Atlantic to the Pacific, that a brief sketch and a few illustrations descriptive of this important industry will prove interesting to the hundreds of thousands of Saturday Globe readers. It may be well, however, to promise that the facts and figures thus are those gathered by the Willer. given are those gathered by the writer during a brief sojourn among the live business men of this busy town. Like all mining towns, its first buildings. Every man you meet focuses his views were of the most primitive and unpreon the one central point—oil—and, as a tentions character, many of which are yet natural result one must put himself in standing and show plainly what the pion—the other fellow's place" to fully coneers have had to endure in nursing this

Coal oil is such an important commodity, | you approach the town. While you are and has recently been the basis of so still miles away from it the forest of many newspaper articles and discussions derricks and the creaking, squeaking and

eers have had to endure in nursing this



IMPFRIAL OIL CO PANY'S STILLS.

Our readers are specially requested to read the description of the Ira" rial Oil Company's Works and obtain an idea of the variety of uses that the product of crude oil is put to after passing through these stills.

shops for the manufacture of drilling ried are equal to the found in many McGill, McDonald, Sanson, Buchanan, cede every point of the arguments ad- now important industry and source of too's, five machine shops, three found- city stores. There i no room for faint- Fletcher, McKenzie, Dibbs, Luckham, Mc- of cordwood are marketed here for fuel, tario. national wealth into life. During the ries, three boiler shops, two extensive sash hearted or half dead men in this town; Quein, Sinciair, Ford, Harly. Petrolea, which not only owes its origin but its subsequent development and present prosperity to the existence and showing marked signs of a new and showing marked signs of a



chief and J. W. McCutcheon deputy chief. farms.

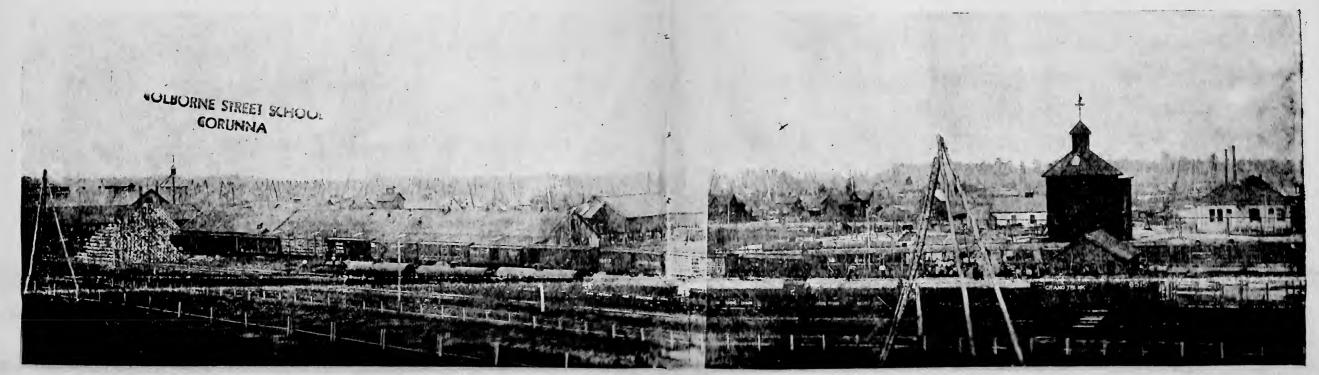
works, which will be completed by the here lst September.

is his assistant, I. W. Fergusson soultary but now that a market has been made for The town has a good volunteer the long one engines of the pumping rigs, etc., it partment, with two superior steam engines and one band engine and a block and ladder truck, with J. W. Fraser as courses has become valuable and fertile

A contract has recently been completed with a company incorporated for the purpose of constructed a system of water-tural products than that which is found

There is an established market, which provinces and the states of the amon is one of the best in the province for all in its yield of wheat per acre, Lambton kinds of farm produce; large quantities stood highest among the sounties of On-

for domestic use and for consumption at the numerous pumping rigs adjacent to ties there is no reason why this should



IMPERIAL OIL COMPANY'S WORKS LOOKING SOUTHWEST.

the centre of the county of Lambton, It 166 miles west of Toronto, 14 miles atheast of the great St. Clair tunnel and



O. SIMMONS, MAYOR.

of the Petrolea branch of the Great West ern division of the Grand Trunk rallway and of the central division of the Michlgan Central railway.

comes the rich product that in its refined oughly permeates everything here that it

iubricates the machinery of the manufacurer and farmer and the wheels of the railway of commerce, lubricating oils taking fully more than half of the production and are conceded to be the best in the world. The Petrolean lived in put up with almost poverty that all his spare cash might be utilized in the development of his "oil farm," and now, after years of struggling and many losses, a few them are able to put up a better class of wooden and brick houses, and as a consequence the appearance of the town oming very much improved. main street presents a very business-like appearance, and has quite a number of very fine brick blocks, and the residential portion several very fine and commodious residences.

The alert and quickened disposition which is bred in the men by the spirit and elements of chance which of necessity surrounds this business is finding new outlet in the improvement of their

Petrolea ranks as one of the foremos commercial and manufacturing towns in the Dominion, and has in addition to its is not a matter of surprise that the busi-



J. L. ENGLEHART, VICE-PRESIDENT AND MANA GER OF IMPERIAL OIL COMPANY.

oil refineries five parafine works, two candle factories, two barrel factories, two barr

residents. There is also a Salvation Army trincipal, J. J. Bell, and his assistants, barracks and a resident army captain. Messas, Clyde, Montgomery and Graham. The town has excellent public schools,

splendidly equipped high school, two bekly papers, a mochanics' institute, a M.C. association, a Masonic temple costing \$20,000, a town half and opera house one of the finest in the Hominton; which banks, two telegraph offices, connection, express office and three daily mails. The government of the town is in the bunds of the following gentlmen for year :-Mr. Oliver Simmons John Dunfield, M.D., reeve; O. W. Cham berlin, deputy reeve. Councillors-No. ward -Charles Egan, James Saunders, No ward-Donald Cameron, E. McDermand. No. 3 ward-John Scott, John Walker. No. 4 ward-J. W. McCutcheon, John Dun-das. Treasurer, P. Barclay; town cierk ico. S. McPherson, The board of health are Mr. D. Trotter, chairman; Mayor Simmons, Messrs. Fairbank, Scott, Saunders John Kerr, Archer, McCutcheon and Dr Dunnfield; Geo. S. McPherson, clerk.

Public school board-D. Trotter, chairman; Geo. Briner, F. Kittridge, W. A. Langford, D. B. Mills, G. D. Lougheld, M.D., A. Buchanan, M. A. Freeman, J. W. E. Langford, secretary. Names on the roll, 960; average attendance, 750. Principal,



F. A. FITZGERALD, PRESIDENT OF IMPERIAL OIL COMPANY.

progressive era. In the past every cent tailer shops. In mercatile enterprise it Saints have all get commodities churches that a Petrolean could lay his hands on was put into one of these little holes in the ground, from the depths of which the ground, from the depths of which the spirit of the surroundings so thorselection.

Saints have all get commodities churches school has attained an envisible reputation for itself through the efforts of the place more than a passing that a Petrolean could lay his hands on its attained an envisible reputation for itself through the efforts of the being greater, with one or two exceptions, then at any other point on either line in the place more than a passing the freight and passenger traffic here, where divine a school has attained an envisible reputation for itself through the efforts of the being greater, with one or two exceptions, then at any other point on either line in the place more than a passing that a Petrolean could lay his hands on its attained an envisible reputation for itself through the efforts of the being greater, with one or two exceptions, then at any other point on either line in the freight and passenger traffic here, where divine a school has attained an envisible reputation for itself through the efforts of the being greater, with one or two exceptions, then at any other point on either line in the freight and passenger traffic here, where divine a confidence is a passion of the place more than a passion of the freight and passenger traffic here, where divine a confidence is a passion of the place more than a passion of the freight and passenger traffic here. west of Terento.

> sessed value of real and personal property \$1,268,040. The bonded debt is \$75,000.

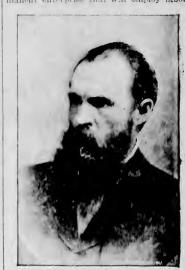
THE OIL INDUSTRY. Having done the town let us turn our perity of the town so thoroughly depends the active circulation of this product of the earth that any stagnation s at once perceptible in the business circle, and you have only to converse with

any of its merchants to tell at once how "oil" is quoted on "'change." Petrolea is essentially an oil town; it had its inception in oil; its early stages were fostered and supported by oil, and its present activity is the direct result of oil preduction.

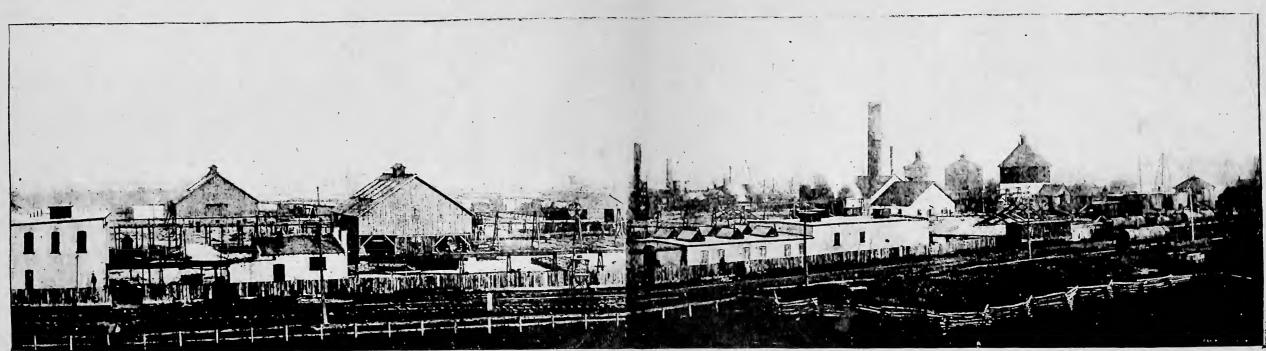
inexhaustible bed of salt, which will be a source of wealth when developed, but another feature that has added to the that surrounds it. The oil business made that surrounds it. The oil business hastened the settlement of the county of Lambton.

In its natural state this country was covered with an immense growth of elm, ash, oak and other woods, which falling years ago as the 'Snamps of Lambt n," this, the metropolis of the oll belt, provid-

manent enterprise that will employ labor.



In fact, judging from the attributes and surroundings, there is no place in the The chief of police is T. G. Jack-on, who has held the position almost since the water and formed what was known a few ing prospects of thrifty permanence than



ing, of course, that the oil industry continues in a thrifty and prosperous condition, and that the money invested in its development yields a profitable return to the investors.

It is not in the province of the writer to attempt a solution of the problems suggested at this point, but rather only to give a description of this industry. In fact, any effort to present other than the views elicited by a series of interviews with leading citizens would only lead to discussion, and this article is therefore limited in its scope.

"Is your business in a prosperous condition?" was the query propounded to a gentleman thoroughly acquainted with the situation.

"At present it is not as lively as usual.

situation.
"At present it is not as lively as usual,

gentleman thoroughly acquainted with the situation.

"At present it is not as lively as usual, and there are not quite so many wells being sunk, owing largely to the recent agitation and the amount of unc-rtai-try which has surrounded it for the last year but comparing it now with ten years ago it certainly shows very marked progress."

"During the ten years from 1881 to 1891 the population of the Dominion, according to the census returns, increased 11.6 per cent. According to the return of the government inspector of refined o.1 for the year ending 30th June, 1881, the amount used during that year was 6,103,-225 gallons, while for the year ending 30th June, 1891, the amount was 10,989,270 gallons, showing an increase of 4,885,946 gallons, or 80 per cent. It is claimed, too, that the price has been reduced 40 to 50 per cent. in that time. Besides this it must not be forgotten that science has lent its aid to this industry as well as others, and that now the crude oil is put to other than illuminating purposes, and every particle is made use of in the manufacture of lubricating oil, paradine, haphtha, gasoline and coke, the doctor, the druggist, the cook, and in fact everybody uses it now in one form or another, each of these departments needing different appliances, more capital and increased labor in their production."

"There is no standing still," said another oil refluer and producer, "there can be no standing still. We have gone on actively risking our money, and we think we can meet all the requirements of increased production and lowered prices, and what we ask is that after what we deem the national invitation and urgings to go ahead and livest our capital we should have had the assurance that the faith we



JUHN PRASER, EN MAYOR

have exercised in these industrial opera-tions should be honored."
"How much does it cost to sink and equip a well, and how much does each produce?"

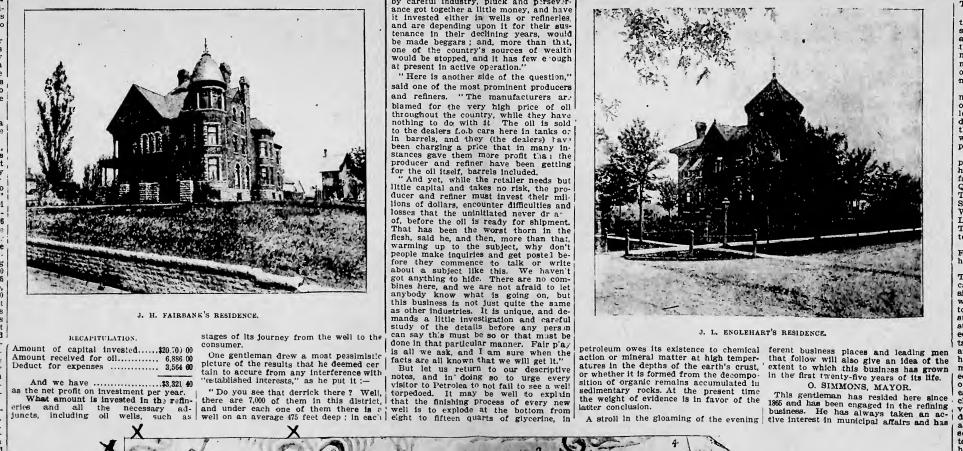
An the most effective reply to these As the most elective report to the questions ever all acts of hooks and the house the profit able estates in the territory were placed at the disposal of the writer, and out of the lot let us tak the returns of a "50the lot let us tak the returns of a "lo-acre farm." These lightes were taken from a balance theet prepared for the executors by a provincial accountant —

per well ple dry their width make for \$15 days 6.20 barrels 6.20 barrel at \$1.10 per barrel \$6.86 00



by careful industry, pluck and perseverance got together a little money, and have it invested either in wells or refinerles and are depending upon it for their sustenance in their declining years, would be made beggars; and, more than that, one of the country's sources of wealth would be stopped, and it has few e ough at present in active operation."

"Here is another side of the question," said one of the most prominent producers and refiners. "The manufacturers ar,



THE IMPERIAL OIL COM! ANY, LTD. THE IMPERIAL OIL COM! ANY, LTD.

A visit to this, the largest industry of the kind in Canada, will repay any person for the expense and trouble, if they are desirous of seeing for themselves the production and refining of oil, and the manufacturing of it into the score or more different forms that the advance of science and demands of the market now require.

A ten-minutes walk north from the main street will bring you to the "head office," which is nicely and conveniently located on a green sward about the middle of the works, and midway between the tracks of the G.T.R. and M.C.R., which run parallel through the extensive premises.

dle of the works, and midway between the tracks of the G.T.R. and M.C.R., which run parallel through the extensive premises.

To facilitate their operations, the company, which was incorporated in 1880, have established branch offices at Hallfax, N.S.; St. John, N.B.; Moncton, N.B.; Quebec, Que.; Montreal, Que.; Kingston, Toronto, Peterboro'. Hamilton, Guelph, Stratford, London, Port Arthur, Ontario, Winnipeg, Man., Gretna, Rat Portage, Lethbridge, Calgary, Qu' Appelle, N.W. T.: Vancouver, New Westminster, Victoria, B.C.

The president of the company is F. A. Fitzgerald, vice-president, J. L. Englehart, and secretary, Wm. Pratt.

The works cover more than 65 acres, These are connected by iron tubing—called pipe lines—with miles of various sizes iron pipe, which fairly gridiron the whole oil region and radiate from well to well and from station to station. These stations are termed "Crude oil receiving stations," where the crude oil is received from the producer (for which he obtains a transportation or storage receipt) and from these stations forced by large heavy pressure pumps to the main works. Here are located the underground storage tanks of a capacity from 1,000 to 10,000 barrels each. These tanks are dug out of the clay soil that nature seems to have projected for the particular purpose, and is different from ordinary clay. It is of a soild, tenaclous quality, free from seams or flaws, and easily removed. The tank is formed by excavating a circular hole, generally about 30 feet in diameter, to a depth of about fifteen feet through the top soil, which is somewhat porous: a wooden crib is placed therein formed of double inch ring, five inches wide outside of which boards are nalled, and clay



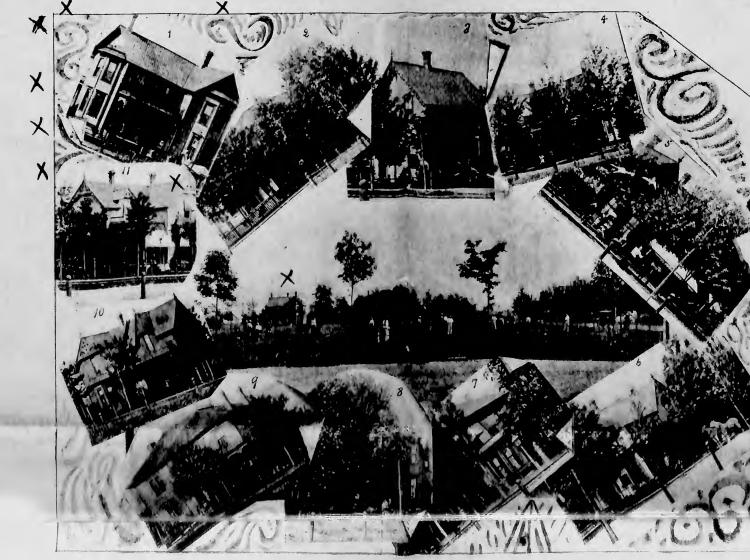
MAJOR B. S. VAN TUYLA

MAJOR B. S. VAN TUYL.

from the strata below is solidly packet
between the curbing and the wall, mak
ing a solid "pudding" above five inches
thick. The sinking of the tank is ther
proceeded with to the desired depth; the
entire wall is lined with segments made
of inch pine about five inches wide, forming a perfectly tight tank. "Timbers are
book from the arch over it; joists are
book from the arch over it; joists are laid thereon, covered with plank and clay, and the contents rest in perfect safety till required.

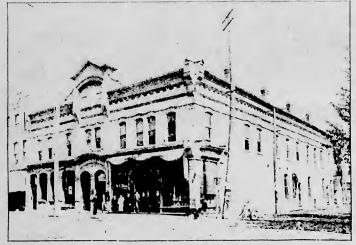
till required.

The company have sufficient tankage to hold over 250,000 barrels. From these storage tanks the crude oil is pumped by steam pumps into large cylinder stills built of iron. (See engraving.) These "stills" are run two and company barrels of crude oil per week, or more than 500,000 barrels per year. The crude oil in these stills is heated up by direct fire to a very high temperature, and the oil distilled by what is termed the fractional distillation method (the patanta of which are covered by this company) By this made of distillation the crude oil is divided into various parts or produces, termed distillate, and from these distermed distillate, and from these distermed distillate, and from these distermed distillate, and from these dis-



CRESCENT PARK.

No. L. Besthunger of Bers. J. Mickobie; Z. Chas. Jenkins; 3, Will. Lowers; 4, J. M. Fowler; 5, R. Morris; 6, S. F. Griffiths; 7, W. K. Galson; S. J. Beresford; 9, Geo. Monerief, M. I.; 10, D. Makenzie; 11, G. S. Pitkin



LANCEY'S FOLLY.

EXPENSE ACCOUNT. EXPENSE ACCOUNT.

EXPENSE ACCOUNT.

EXPENSE ACCOUNT.

Two engineers, day and night, at \$150 per day.

Fuel, \$00 per mouth.

Horse feed

Various expenses for iron, teaming in sand.pumping and pulling rods

520 00 appliances? This is difficult to answer correctly for obvious reasons, but it is millons to 23 millions or dollars. As to how much money is circulated per annum in this business they say the question could not be answered even approximately, but claim that it is away up in the millions, as fhe whole country is under tribute to it, and that it gives employment to over 25,000 men in the differen. Hauling 6,260 barrels of oil to receiving tank, at 6c per barrel.

Depreciation on perishable plant,
\$3,200 at 10 per cent...... \$3,564 60

sills, reforms, agitators and the other put down approximately by the representatives of those interests at from 17 millions to 23 millions of dollars. As to



CHAS, EGAN, CHAIRMAN OF BOARD OF WORKS. CHAS. EUAN, CHAIRMAN OF BOARD OF WORKS.

In a solid column, and then spreads out in graceful curves, deluging all around in a composition too "numerous to mention," as auctioneers say.

Those a: c anxious moments to the viron or steel. Now, let the business be closed down and in a short time the wall be nothing but a scrap from heap, and all the capital that has been invested and the years spent in its development would go for nothing. Men who have spent the best years of their lives and cussion has taken place as to whether

of those wells there are three sets of plping; first, the casing, either 41-2 or 6 inches in diameter; this goes down to the rock, or perhaps in some cases all the way down. Then there is the pump, a 11-2 inch pipe with a brass pump on the end of it; inside of this is the sycker rod a half inch pipe, in all about 1,200 feet of piping. Then there is that pip leading from the well to the tank, and as this territory covers a space of twenty miles long by about three wide, you can strictly miles long by about three wide, you can place to the first boring was through clay and a few days suffice to penetrate the bosom of mother earth to the neighbour of wells, is a strange and uncanny espe rience. Long rods of wood or fron connect these with the engines at distant pip leading from the well to the tank, and as this territory covers a space of twenty miles long by about three wide, you can be feet, rock 45 feet, middle lime 17 feet, lower span 38 feet, lower lime 120 feet, oil rock 5 feet, and the work is done when 21-2 feet below the oil rock.

By the time through the first burne in the first wide in the neighbour of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the hundreds of wells, is a strange and uncanny espe giant tripods which mark the first the first be policy in the rock. It is a strange and uncanny espe

and the work is done when 21-2 feet balow the oil rock.

By the time these facts are noted the man in charge wid be ready with his innocent-looking but really dradful ingredient. The glycerine looks like pure white honey or cream. It costs \$1 to \$5 per quart, and therefore a "torpedo" costs from \$22 to \$60. The receptacle is a tin tube several feet in length and a little less diameter than the boring. After this tube is filled a fuse, known as the "devil's squib," is attached to the top, and everything is ready.

"Nearly two minutes will elapse after I light the fuse and drop the charge. Then you will realize a subterranean concussion, and then watch the result."

These are the instructions given, and it need scarcely be added that the moments which followed the lighting of that match and fuse are carefully expectant.

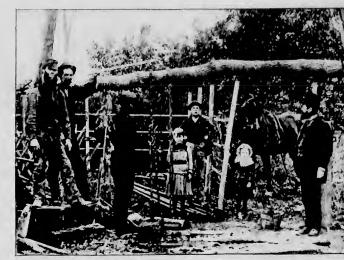
First, a tlny column of smoke comes

First, a tlny column of smoke comes from the opening, a rumble like a miniture earthquake, and this will be followed by a geyser of rock, water, dirt and oil, that rises usually to the top of the derrick in a solid column, and then spreads



JOHN SCOTT, ALDERMAN.

The man of inquiring mind, the lover of novelty, the capitalist looking for investment or the Canadian that wants to become better acquainted with the resources of his own country, should visit this town. A few hours' sojourn among its citizens will give him a better idea of this industry than could possibly be conveyed by a dozen articles like this. The brief sketches of a few of the dif-



THE WAY THE FIRST OIL WELLS WERE SUNK, TAKING ABOUT SIX MONTHS, NOW THEY

served siven years as councillor, seven tillates the water white, prime white, years as reeve and is now enjoying the moduments of the mayoralty chair for the second time. He was warden of the the second time. He was warden of the county and has been on the school board for eight years.

He is painstaking and careful and makes an excellent executive head, and the interests of the town are safe in his hands.

The town has some large contracts on its hards and needs just such a man to look after them.

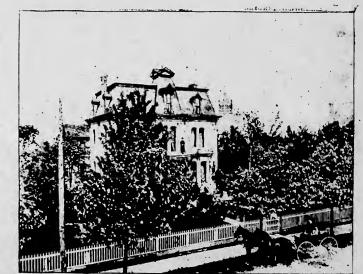
"grades" and "gravities" and under the well-known brands of "Oleophene," "Crescent," "Ocean," headlight high test oil for government lighthouses, "Silver Star," "Atlantic," "Royal Safety," etc.

The company have been successful in securing, against all competition for the last ten years, the contract for supplying the government lighthouses with their special brand of "Headlight" for that put pose, and have it at the present time.





NATIONAL OIL COMPANY'S WORKS.



MEMO HALL, JOHN KERR'S RESIDENCE



IMPERIAL OIL COMPANY'S JUMBO AGITATOR, LARGEST IN AMERICA.

After the illuminating oil has been exacted, the "stillis" then furnish "Gasonae," "Naphtha," "Benzine," "Gas Enine," steamboat and yacht engine oils.

The next product of the "stillis" is "Gas il," which gas companies now recognizes a necessary ingredient to make good as. Then follows "Fuel Oils," which has materially simplified nearly all the echanical and industrial arts such as neiting, weiding, annealing, or any other urposes where small forges are used and niform heat at a high temperature is required.

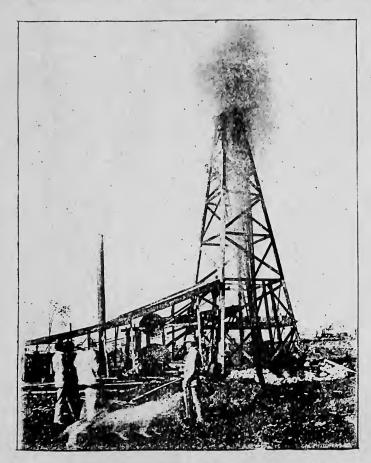
The last products are "tar" and "coke," the laster (coke) being used for smelting or heating purposes as well as the manufacture of carbon points for electric lights. The "tar" or "residium" is the last but by no means the least, for from this is aken the oil that makes the wheels of he ponderous railway or steamboat enne run easy, or the sewing machine or responsive to atmospheric action.



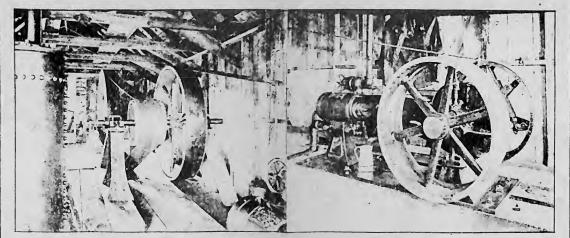
men school.

the lady's most delicate and intricate watch run smoothly.

The "tar," after coming from the "stills," is pumped into what are known as the tar or heavy oll stills, of which the company have (16) sixteen; in these it is redistilled into the various heavy and bye-products from which are made the "Olean," "Paraffine" and red olls of commerce, ranging in gravity from 20 degrees to 38 degrees. From it is taken the oil that lubricates the axles of the monster loconotive, the passenger and freight cars of the railways (the Imperial Oil Co. have always made a specialty of supplying railroads and large corporations under a guarantee of saving in every way); the largest steamboat or the smallest yacht that sails on the ocean, the lake or the river; the shafting of the mill, factory or agricultural engines; en-



N INSTANTANEOUS PHOTO OF A TORPEDOED WELL ON A. C. EDWARD'S NEW TERRITORY SHOWING THE MODERN DRILLING BIG.



M'GILIIVARY'S FUMPING ENGINE, MADE BY E. LENOARD & SON, LONDON,

such as are apt to be found in packages made by hand. In addition to the compensation of the further encroached upon. The strength of the company make all grads of market. The company make all grads of market for the them as for every use, as well as for can lies of which they make every size and it and from the candles for the Christma; the total for the home or for the miner. Now for a short run through the circles and some and of which ten that go to make up a can of which ten tha Now for a short run through the 're fined oil department."

to that for the home or for the miner. Now for a short run throaga the 'refined oil department."

The big Jumbo aglitator (see engraving) demands 1,500 barrels at each "treatment" (this quantity reprisents more than a train of 20 cars) and thus gives one an idea how much oil is treated at one time by the company, but this is only one agliator; they have many others that hild from 50 barrels to 600 barrels, all of which are in use under the many oils, etc., made. The oil is pumped into the agitators by steam pumps as it comes from "the stills," where it is washel with clean, clear water (the company have their own system of waterworks for fire and onestic purposes), there the various ch-micals are added until the oil is finished or ready for the use intended. By gravitation the oils run from the agitator in and through large from pps to from tanks termed "settling analys" (act of which holds the quantity of the agitator) in these tanks the oils are selled preparatory to filling or storing. If filling, the oil is filled through autom the filling. The formal are located in large war houses so situated between the railway thacks of the Grand Trunk. Canadan Pacific, Michigan Central railways, so as to ensere the least amount of hand, ng and giving unequalled shipping facilities over any line of railway desired by the shipper tevery point. The company are owners of more than 50 tank cars, enabling then to throughly supply the trad who may desire to do their own barrieling or large consumers who are in a position to receive oil in bulk, ensuring a saving of the cos of barrels as well as any chance of loss by leakage.

This brings us to the steam way the steam of the cos of barrels as well as any chance of loss by leakage.

by leakage.

This brings us to the steam saw in leakage factory and steam countries only works of the kind in visual ting their own logs in the first that here that here that here that here that saws into healther the staye, and with saws into healther the staye, ere that go to the jointing planting and the line



2005 MALE AND OPERA HOUSE.

their branches.

oil a well a dispending, re in and re in oil o'ly a cutton of 1 and cutton, in for for oils of the kind apply to the frequent of the company (united) or say it

OIL WELL SUPPLY COMPANY.

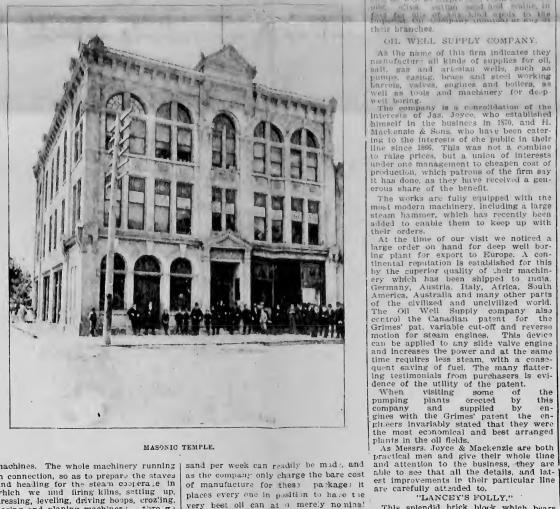
As the name of this firm indicates they manufacture all kinds of supplies for oil, but, gas and artesian wells, such as pumps, casing, brans and steel working barrels, valves, engines and boilers, as well as tools and machinery for deep-well bartens.

erous share of the benefit.

The works are fully equipped with the most modern machinery, including a large steam hammer, which has recently been added to enable them to keep up with their orders.

At the time of our visit we noticed a large order on hand for deep well borting plant for export to Europe. A continental reputation is established for this by the cuperior quality of their machinery which has been shipped to india. Germany, Austria, Italy, Africa, South America, Austria, Italy, Africa, South

"LANCEY'S FOLLY."



MASONIO TEMPLE.

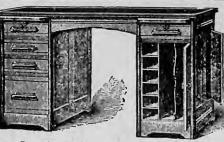
in connection, so as to prepare the staves and heading for the steam coolerate in which we und firing kilns, setting up dressing, leveling, driving hoops, crozling, boring and planing machinery. which a thousand barre's peday can be parsed and c.m. pleted, ensuring uniformity, greater strength and freedom from all defects. And could with profit be written about

machines. The whole machinery running | sand per week can readily be mad; and places every one in position to have the very best oil can at a merely nominal price, which can be readily filled over and over again.

Many more interesting things were seen. This splendid brick block which bears this rather peculier name was built by the late H. W. Laucey in 1881 and has two very fine stores, The Advertiser office and the Bank of



AN IMPROMPTU CELEBRATION, 24TH MAY, 1893-CAUGHT ON THE FLY.



Our \$14 Flat Top Writing Desk.

T'S not holiday time yet. So the men of the offices must stick at their desks. For a comtortable desk, if a table top desk is required, there is none better than our celebrated \$14 Flat Top Desk, 33 x 48 inches

writing surface, leather covering, a fac-similie of which is here seen. We have in stock a number of different designs of Writing Desks-roll top, slide top, with book case top and without, oak, walnut, or chestnut; also a great variety of Tilting Office Chairs, Office Cabinets, Carpets, etc. That we have every kind of Household Furniture and Carpets is a pretty well known fact, and that our stock is large, varied, good and cheap is also well known. Always ready to show our goods. Genial treatment to seekers after bargains.

WE PAY FREIGHT ON SHIPMENTS. SEND FOR CATALOGUE.

C. F. ADAMS COMPANY, THE HOME FURNISHERS, 173-179 YONGE STREET, TORONTO. C. S. CORYELL, · · · Manager.

Toronto on the ground floor, and the second flat is fitted up for offices, with all the modern conveniences. One of these is occupied by Mr. Wm. English, the gental and painstaking manage of the "Larcey estate." The site is one of the best in the town and is never without its full complement of tenants.

McKEE & MARWICK.

This firm have made so many engines and fitted up so many outfits for the produced here, principally among whom are J. L. Englehart, Mutual Oil Co., Mc-



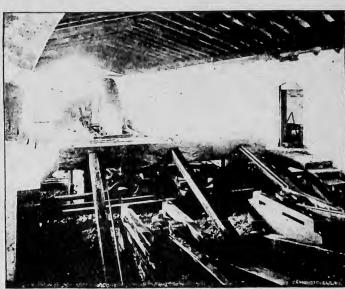
R. & J. JACKSON'S MILL AND LUMBER YARD.

Millan estate, J. Ward & Co., Fitzg rald & Co., Frank Smith, A. C. Elward, Frank Ward, and many others, and have given such satisfaction that werds of our are unnecessary, but as this issue will rach every part of the world where driling rigs are required it would only be fair to put on record that both member of the first are ignation in any first afficient of the world where the first are ignation in any first afficient with the Can display the case of the Can display the Can display the case of the Can display the Can



OIL WELL SUPPLY COMPANY'S WORKS.

stroke or equalizer, which has made it possible to work as many wells as the engine has power to pump, was among the best of these. The pumping outfit of J. L. Englehart, which is illustrated in this issue, was constructed by this firm nine years ago, and has just been suplemented by an exact counterpart, not that it is worn out, but to have in case of an accident. By reference to the illustration you will see that the Jerker whee; is under the cross-beam in the foreground, and that to this wheel is attached the Jerker rods, twelve of them, six on each side, which balances the lift, i.e., when half of the succor rods are coming up, the other half are going down. These drive 25 miles of Jerker rods, which are enabled to



J. L. ENGLEHART'S PUMPING RIG, MADE BY M'KEE & MARWICK, PETROLEA.

shoot around the corner in all directions, like Davey Crocket's gun, by reason of 21 smaller Jerker wheels, and pumps at present 151 wells. The engine is 100 h.p., and is guaranteed to pump 200 wells. It has the Buckeye automatic cut-off, and the power is gained by driving of a 24-inch wide belt.

Their engines and outfits are doing good work, and making the name of Canada known in Australia, Germany, India, Austria, Russia, and all parts of the Dominion. These outfits are all

D. CAMERON. This gentleman was born in the

D. CAMERON.

after which he was appointed local super-intendent of schools, and was a member of the educational board of examiners for the county of Middlescx. He afterwards held the position of division court clerk in Tamworth, in the county of Lennox, for several years, and was later en-gaged in mercantile and milling business and spent some years on the Pacific coast in mining operations. He has resided in Petrolea for the last eighteen years, dur-ing which he has been engaged in the oll industry.

they keep a large stock of all kinds of lumber, coal, lime, the, brick, builders hardware of every description, jerkers, drill poles, wheels, spools, etc. They manufacture and ship drillers' materials to all parts of the world. They are just completing an order for 20,000 feet of drill poles for consignment to Austrian oil fields. The two brothers comprise a complete company. The elder, Robert, has had large and varied experience in the practical department of building and carpentering in Cobourg, Bay City and Toronto, and for the last score of years, with the exception of one year rig building in Italy, has been in the oil business in this town. He looks after the practical department, and the younger brother, who has had large experience with books and financing, sees that that department of their increasing business is not neglected. From a small begin, ing in '88, their business has expanded and enlarged, and so continues. A large proportion of their present staff of men they employed when they began business, and they are with them yet. They are proud of their success, but claim they have worked for all they have got. They have made it pay, Lecause they said they would. They have a name for honesty, trust and integrity, which could not be letter, a d anyone wanting anything in their line if they are ready to pry for it, can depend upon getting it, even if coats and pens have to be thrown aside to a complish it.

pens have to be thrown aside to a comflish it.

VAN TUYL & FAIRBANK.

The most extensive and important en erprise of a distinctly commercial character
in the Canadian oil belt is unquestionably
that of Messrs. Van Tuyl & Fairbank.
Established about the time the oil industry in this immeliate 1.0a ity g. ve indications of permanency, this house grew
with the development of that industry.
Although comparatively small in the beginning it rapidly increased, and in time
became the largest hardware store wist
of Toronto, its main or heavy lines being,
however, more special than general, athough you can obtain anything here in
the hardware line "from a needle to an
anchor"—no, not an anchor, probably, but
an oil well rigging. Entering the min
or general store, which is about 40 by
100 feet in dimentions, ine is impress ed
with the amount of stock criftd, and
is at a loss to know how such an establishment could pay in Petrolen. These immense warehouses are stocked up wh
bar Iron, Iron piping, ropes, spades, forks,
rakes, hundreds of kegs of nalis, and all
kinds of oil well supples. Here wil be
found iron pipe from Glassow, there some
from Middleten and McKe spot, Fenn,
and still again some from Walsall, Eng.,
and from Germany, in almost all clametors. There are hundreds of time of this iron piping, all carefully arranged
by their sizes and make, in the warhouses. The firm carry nothing but it ebest stock, and require the settles of a
arge force of men and saistart;
the average output per annum amounts
of about \$350,000. Their stove department,
accently built, is 45 x 70 feet. The tubing and from warehouse is 65 by 100 feet.
They have just completed a building and
puliped it with improved machinery for
itting and threading all sizes of pipg.
The firm have a branch store and an
immans superbouse, at Oil Springs, where VAN TUYL & FAIRBANK.

H B ALLEY.

public of Petroise for the last cleven
see accessfully and carries such a
picte stock of staple and fancy dey
millinery and gents' auraishings
words of commendation in this artiwould be superfluous. Mr. Alley gives
business his personal and close attenwhile his good wife gives the millinher best efforts, so that the secret of
successful career is not far to seek.

W. (PLAMIERI ALY, INDIVINIA) CHAMBERLAIN, DEPUTY

REEVE. REFEVES.

Petrolen is very nearly as well known throughout Canada and the United States for its good horses as it is for illuminating and inbricating oils. Probably none of its citizens have done more to encourage and cultivate this taste than Mr. Chamberlain, who is well-known to all prominent horsemen on the northern part of the continent.

of the continent.

He is also well-kown on nearly all the leading race courses, having acted as starter, referee or timekeeper on most of them. His favorite horse is the bay stallion "Paris," No. 15,642, which has carried off most of the prizes at the weststallion "Paris," No. 15,642, which has tarried off most of the prizes at the western fairs and has shown a speed better than "thirty." He is a beautiful animal and it is a luxury to ride after him. Another of his many more horses might be mentioned and that is his dark bay stallion "Delaware," which has a record of 2.35. Mr. Chamberlain is president of the "Greenwood Driving park," and has put forth every effort to make this a first-class half mile track, and, judging from remarks of horsemen, he has succeeded. He is deputy reeve of the town and is an extensive "oil producer," having a large number of wells, and is also interested in various other enterprises which have for their object the advancement of the town.

R. J. BRADLEY.

R. J. BRADLEY.

R. J. BRADLEY.

Mr. Bradley makes and handles that terrible Ingredient nitro-glycerine. He was the first to introduce it into Canada. He came here in 1895 and has been connected with oil ever since. He has large tracts of oil land as yet undeveloped in the immediate neighborhood. The pumping rig (illustrated) pumps 43 wells. His torpedo factory is located to the back of it. Two years ago his factory was blown up and a younger brother and two other men were blown out of existence, not enough of them being found to make a funeral necessary. W. J. Bradley, another brother, is one of the best torpedo experts in Canada, and Mr. Robert Polman handles the dangerous stuff at Oil Springs and outside districts where torpedoes are required.

GEORGE MCGILLVARY.

GEORGE McGILLVARY.

is an extensive oil producer. He has just completed a new pumping outfit, which is illustrated elsewhere in this issue. The outfit consists of a new automatic cut-off éengine, specially built for this purpose by Messrs. E. Lenord & Son of London. It is the first of the kind introduced here and has won for itself untold praise for its strength, steadiness of motion and ease of starting, being "geared" so as to get up the motion withcut any perceptible strain or jerking. The outfit is very compact and has many new features, and intending purchasers of new outfits should see this one beforefinally deciding. Messrs. Northey & Co., 37 York street, Toronto, are the agents, or Messrs. Lenord & Son of London will give all necessary information.

J. L. ENGLEHART



pany are located on the ground of the old Silver Star refinery, covering in the neighborhood of 50 acres. J. L. Englehart is vice-president of the Imperial and is one of the largest oil producers in Canada. Has the finest pumping rigs and best arranged oil well property. Has one of the finest residences in western Ontario. He was the first refiner in Canada to export oil. Is wealthy, and ever ready to assist the deserving needy. He is vice-president of the Crown Loan & Savings company here, also president of the Masonic Temple company. He is a thorough business man, and full of enterprise: He is Conservative in politics, and of a broad, liberal mind.

SCOTT'S LIVERY STARLES

and full of enterprise: He is Conservative in politics, and of a broad, liberal mind.

SCOTT'S LIVERY STABLES.

Some fifteen years ago John Scott, a lake mariner, who preferred oil to water, east anchor to neward of the derivative here, and several years later put.

SCOTT'S LIVERY STABLES.

Scheme fifteen years ago John Scott, a law is manager of the Crown Savilies water, east anchor to neward of the ourse, largely interested in oil. He is one of nature's water, east anchor to neward of the ourse, largely interested in oil. He is one of nature's water, east anchor to new and one who has done unich to advance the interests of the town. He is



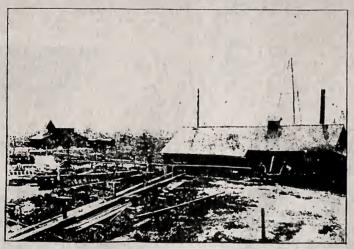
permanently into port at Petrolea, and engaged in the livery business. Scott's stables are located south of the Anderson house. In the livery stable, which stands on the east side, are fifteen as fine horses for hire as can be found in the province, with every variety of first-class vehicles. In addition to his livery business he has manifested a commendable interest in municipal affairs, and is at present a member of the town council.

A. T. Gurd was born on the east bank of the river St. Clair, in the town-bank of the riv

stands on the east side, are fifteen as fine horses for hire as can be found in the province, with every variety of first-class vehicles. In addition to his livery business he has manifested a commendable interest in municipal affairs, and is at present a member of the town council.

J. H. FAIRBANK, EX-M.P.

For several years after locating in Canada Mr. Fairbank followed surveying, and was for some time in the private office of R. G. Benedlet and Ira Spaulding, chief and associate engineers of the Great Western railway during construction, by whom he was employed in field and office work. In 1861 his profession brought him to the township of Enniskillen, then, as now, the centre of the Canadian oil fields. A few months later he abandoned survey-



The outilt is very compact and has many new features, and intending purchasers of new outfits should see this one before finally deciding. Messrs. Northey & co., 97 York street, Toronto, are the agents, or Messrs. Lenord & Son of London will give all necessary information.

37 Le ENGLEHART

was born at Cleveland, O., came to London, ont., in 1870, and went into the oil refining business. He established a refinery at Hamilton in 1875. Shortly afterwards he purchased the "Big Still" refinery here, owned by Messrs. Parsons, tegether with a large block of oil territory. He then moved here, and made this his headquarters. He enlarged the refinery, and made it the finest works at that time in Canada. The refinery under his proprietorship was known as the "Silver Star." In 1880 the Imperial Oil company was formed. The Silver Star." In 1880 the Imperial Oil company was formed. The Silver Star." In 1880 the Imperial Oil company was formed. The Silver Star." In 1880 the Imperial Oil company was formed. The Silver Star." In 1880 the precision of the served and received marked consideration. He has been prominent in company, The headquarters and works of this company. The headquarters and works of this

neatness and the table is furnished with all the dainties of the season, and dished up in a way to make you eat whether you feel like it or not. It is kept in such a quiet manner that in that respect it lacks the usual hotel surroundings. It is furnished with good sample rooms and enjoys a good commercial connection, especially among the "grip men."

THE CRESCENT PARK SARSAPARILLA HAS CURED OTHERS

A Bright Lad,

confidential statement to us:

"When I was one year old, my mamma died of consimption. The doctor said that I, too, would soon die, and all our neighbors thought that even if I did not die, I would never be able to walk, because I was so weak and puny. A gathering formed and broke under my arm. I burt my finger and it gathered and threw ont pieces of bone. If I hurt myself st. 's to break the skin, it was sure to become a running sore. I had to take lots of medicine, but nothing has done me so unch good as Ayer's Sarsaparilla. It has made me well and strong."—

T. D. M., Noreatur, Kans.

Prepared by Dr. J. C. Ayer & Co., Lowell, Mass. Cures others, will cure you

isserted that the Wethelist charch is politically strategy in Canch. The person of the content o

THE STEVENSON BOILER SHOP.
This is the most important industry (excepting refineries) in Petrolea.
Since its purchas by its present proprietor, Mr. J. H. Fairbank, it has been thoroughly refitted with modern machinery for the manufacture of all kinds of boilers, tanks, etc. The amount of business done will be more easily understood when it is stated that more the 90 per cent. of all the boilers, tanks, stills and goods requiring heavy plate that are used in the production and refining of oil are made at these works. Besides the local trade, they do a large trade in marine, stationary and portable boilers, which are finding their way into all parts of the world.
The equipment is most complete and advantage a

The equipment is most complete and adequate for even a larger business than is being done, and only the best mechanics are employed, so that orders entrusted to this establishment will be filled with not only promptness, but in a most satisfactory manner.

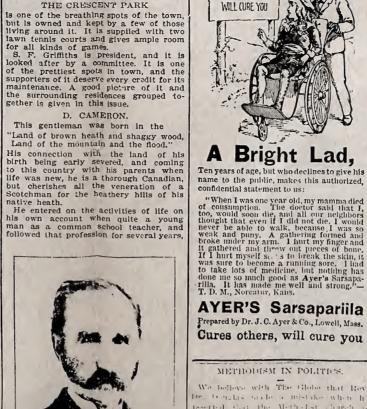
LOWRY BROS.

The bookstore of the town is generally an index of the character of the people. The Lowry boys look after the interests of their increasing business in such a manner as to ensure success. They are agents for The Globe and other dailles, and do an immense trade in wall paper. THE PRESS.

THE PRESS.

A live town needs live papers, and The Advertiser and The Topic fill the bill. Mr. R. Herring, editor of The "Tiser," came here upon the re-opening of these fields, and has been pushing the quill in the interess of oil ever since.

Mr. Mitchell, editor of The Topic, is a more recent arrival, but is giving the peculic a good, live paper. Both offices are well equipped for job printing, and have a good trade.



in 1575 and is considered one of the fluctuation of the point of the point of the fluctuation of the fluctua

commons.

He was for a time, immediately following his withdrawal from The Telegram, the chief writer on The Montreal Star, and it was that journal that he represented at Ottawa. He retired from The Star three or four years ago and became owner of The Dundas Banner, for many years one of the best and most influential journals in the country, and which at least has not lost in brightness and strength, or declined in popularity

which at least has not lost in brightness and strength, or declined in popularity or preestige, under Mr. Pirie's managenent.

Mr. Pirie has contr'buted to The Week, The North American Review and other high class journals and magazines, and from his pen Grip has received some of its brightest contributions. For more than twenty years Mr. Pirie has done editorial writing. His English is pure and strong. He uses the plain, simple words, never rants, never gets on stilts, never seeks to dazzle with adjectives or imposing sentences. His wit is keen and penetrating, but it never wounds. His jokes have no "victims." The subject upon whom Mr. Pirie may practice enjoys the joke as heartily and as unaffectedly as the audience for which it is written or spoken. As an after-dinner speaker Mr. Pirie is absolutely unrivalled. He is a mine of royal, rollicking humor, of humor always fresh, sympathetic and unrestrained. He goes from joke to joke, from story to story, with a frank and easy abandonment to the business in hand that make one fear that if he should ever become more reckless than Oliver Wendell Holmes and dare to be "as funny as he can," few of us would ever fully recover from the effects. He is a first-rate political campaigner, and in the political conflict he can be strong, keen and aggressive, as when occasion demands he can prove that he is master of a chaste, persuasive and sympathetic cloquence. But while Mr. Pirie is unquestionably a Liberal, he can never be a mere partizan. The narrow partizan is badly fitted for the business of journalism, as narrow partizanship is very different from broad, earnest attachment to a set of political principles which may from the platform of a political party.

Mr. Pirie is very popular with his fellow-journalists both in city and country. For some years he has taken an active interest in the affairs of the Canadian Press association, and a counde of months ago was elected its president by a unanimous vote. Mr. Pirie married the eddest ilaughter of Mr. Joseph McCausland of

CLOCKS, BRONZES, SPECTACLES. OPERA GLASSES, FRENCH BINQUE GLASWARE, etc., etc.

DIAMONDS, WATCHES,
JEWELLERY, SILVERWARE 25 TO 50 PER CENT REDUCTION



KENT BROS.

CLEARING SALE.

168 Yonge Street, TORONTO.

RETIRING FROM BUSINESS. N.B.—Price lists furnished on application. All mail orders promptly filled.

SILVER PLATED FORKS STAMPED GENUINE "ROGERS" GOODS IS THOROUGHLY RELIABLE



MAMMOTH Clearing Sale

FURNITURE.

Entire Stock at Cost.

As each week passes the public are getting more and more theroughly acquainted with our Mammoth Sale. Genulae opportunity to nurchase Funtione at wholesale prices one salom meets with. The result of this week's sales shows clearly that the public are not slow to appreciate a bargain.

Among the many bargains offered this week are :—

week are :-60 SOLID OAK BEDROOM SETS. Hand-onely carved, oil finish, with \$20.75 This is equal to any suite in the market a

125 CHAIRS. 490 Cane or perforated seals,

200 MATTRASS LOUNGES, LARGE EASY CHAIRS,

Well upholstered in Tapestry, Broca-telle, etc...... \$4.50 90 SETS SOLID OAK DINING CHAIRS,

Leather Seats ... \$12.50 PER SET of six chairs, including arm chair, regular price \$17.10.

35 SOLID OAK BEDROOM SETS, Quarter cut oak, polish finish, British \$45 plate mirror, handsomely carved..... \$45 Marked down from \$60. Call and see this set. 50 SOLID OAK HALL RACKS,

Special line Children's Cots, \$3.25.
200 Oak Rockers, plush seated, \$2.75.
Parlor Tables, solid oak, size 23x28, \$3.50.
Garden Rockers, painted red, 90c.
Parlor Suites, Dining Room Suites,
Cabinets, Bookcases, Library Tables, Easy
Chairs, etc., etc., in endless variety.
Goods can be selected and stored till required, by paying deposit. Our stock is
all new and clean, no grey haired goods
in warerooms. If you contemplate furnishing call at once and examine our
stock. Send for illustrated catalogue.

231 and 233 YONGE STREET.



LUMP SUGAR, CROWN" GRANULATED, Special brand, the linest which can be made. EXTRA GRANULATED, Very Superior Quality.

CREAM SUGARS. Not dried.

YELLOW SUGARS,
Ol all Crades and Standards. Of all grades, in barrels and hall barrels Sole makers of high-class syrups in tins, 2 lb and 8 lb. ea. h.

CANADA'S BIG CHEESE

IS ALL RIGHT. Canada's World's Fair Exhibit

IS ALL RIGHT.

BUT THAT IS MANUFACTURED IN

CANADA, SUBSCRIBE FOR

CANADA'S CYCLOPAEDIA -OF-

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